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Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.
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Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire
SHARP KABUSHIKI KAISHA

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☐ title

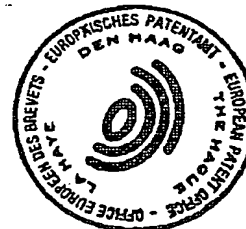
☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

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REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 97 31362 A (PHILIPS ELECTRONICS NV) 28 August 1997 (1997-08-28) * abstract * * page 1, line 2 - line 11 * * page 1, line 28 - page 2, line 31 * * page 3, line 14 - page 4, line 4 * * page 4, line 25 - page 5, line 5; figure 1 * * page 5, line 24 - page 7, line 17; figures 3,4A *	1-4,7, 9-11,14, 15,19-23	G09G3/36
A	WO 95 01701 A (PHILIPS ELECTRONICS UK LTD.) 12 January 1995 (1995-01-12) * abstract * * page 2, line 15 - page 3, line 22 * * page 11, line 17 - page 15, line 29; figures 1,2 * * page 18, line 11 - page 20, line 12; figure 4 * * page 21, line 1 - line 6 * * page 21, line 26 - page 22, line 7 *	1,2,10, 11	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	EP 0 655 725 A (ROHM CO. LTD.) 31 May 1995 (1995-05-31) * abstract * * column 1, line 13 - column 2, line 21 * * column 3, line 7 - line 29; figure 2 * * column 4, line 16 - line 42 *	15,19,21	G09G
A	US 5 627 560 A (VERHULST) 6 May 1997 (1997-05-06) * column 1, line 4 - line 63 * * column 3, line 3 - line 54; figure 1 * * column 4, line 18 - line 43; figure 5 *	1-5,10, 11	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 4 December 2000	Examiner Corsi, F
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C01)



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	EP 0 730 371 A (SONY CO.) 4 September 1996 (1996-09-04) * abstract * * column 1, line 1 - column 2, line 57; figure 1 * * column 3, line 51 - column 4, line 48; figure 2 * * column 5, line 19 - column 6, line 33; figure 3 * * column 7, line 39 - line 47 * ----	20,22,23	
A	US 4 655 550 A (CROSSLAND ET AL.) 7 April 1987 (1987-04-07) * abstract * * column 1, line 8 - line 51; figure 1 * * column 2, line 34 - line 46 * * column 2, line 63 - column 3, line 7; figures 3,4 * * column 3, line 27 - line 62; figures 6,7 * -----	1,2,7, 9-11	
A	US 4 778 260 A (OKDA ET AL.) 18 October 1988 (1988-10-18) * abstract * * column 1, line 23 - line 58; figures 4A,4B,6,8 * * column 4, line 57 - column 5, line 15 * * column 5, line 30 - line 63 * * column 6, line 11 - line 33 * -----	12	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 4 December 2000	Examiner Corsi, F
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 11 2524

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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04-12-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9731362 A	28-08-1997	EP 0823110 A	11-02-1998
		JP 11504732 T	27-04-1999
WO 9501701 A	12-01-1995	DE 69421511 D	09-12-1999
		DE 69421511 T	27-04-2000
		EP 0666009 A	09-08-1995
		JP 8500915 T	30-01-1996
		US 5912651 A	15-06-1999
EP 655725 A	31-05-1995	JP 7152340 A	16-06-1995
		DE 69412759 D	01-10-1998
		DE 69412759 T	25-03-1999
		US 5546104 A	13-08-1996
US 5627560 A	06-05-1997	EP 0715753 A	12-06-1996
		WO 9534986 A	21-12-1995
		JP 9501516 T	10-02-1997
EP 730371 A	04-09-1996	JP 8237579 A	13-09-1996
		US 6111559 A	29-08-2000
US 4655550 A	07-04-1987	GB 2149176 A	05-06-1985
		AT 67622 T	15-10-1991
		AU 580012 B	22-12-1988
		AU 3477784 A	13-06-1985
		BR 8405395 A	03-09-1985
		DE 3485082 A	24-10-1991
		EP 0146231 A	26-06-1985
		JP 1843029 C	12-05-1994
		JP 5046929 B	15-07-1993
		JP 60179796 A	13-09-1985
		ZA 8408076 A	30-10-1985
US 4778260 A	18-10-1988	JP 1746567 C	25-03-1993
		JP 4031373 B	26-05-1992
		JP 61243429 A	29-10-1986
		EP 0232871 A	19-08-1987
		US 4800155 A	24-01-1989
		DE 3613446 A	27-11-1986
		FR 2580826 A	24-10-1986
		GB 2175726 A, B	03-12-1986